



STDN DAILY REPORT
FOR GMT DAYS
26, 27, 28 AND 29 APRIL, 2001

Part I. Operations

26 APRIL

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. WGS/SEAWIFS Support

26/0450-0500Z

The same problem occurred as with the previous support for QuickScat. The SCC indicated that a schedule had been sent. Once we upgraded, the schedule did not appear on the screen. Had to manually schedule the support. Prior to the support we had entered an updated ephemeris. Following the support, we took a look at the SCC terminal window and found that it was indicating that the RCI queue is full, status log is throwing away messages for RCI. We also found that the ephemeris was not scheduled to go to the SCC until midway through the support on Master-2. We shutdown the monitor and control and SCC console and restarted both. Shortly after the restart on the SCC, the RCI queue was giving the same message. Both the SCC console and Master-2 software needs to be checked to find out why this problem is occurring. Following this support, we had a COBE support at 116/1039-1054Z. This support worked normally, although the same status message was present. It is unknown what is causing this problem. CDS # 18570

UNKNOWN/SOFTWARE/HARDWARE

11 M 0448-0502Z 9 Mins. 23 Secs. Svc/Data Loss Unknown If Recoverable

2. PF1/E0-1 Support

26/0707-0712Z

At AOS the antenna went to Standby mode instead of tracking the spacecraft. The operator re-issued the track command and the antenna appeared to wander around instead of tracking the spacecraft. The track command was re-issued a second time and this time the antenna started tracking the spacecraft. CDS # 18577

UNKNOWN

PF1 5 Mins S-Band Data Loss Recoverable

3 Mins 30 Secs X-Band Data Loss Recoverable.

3. PF1/EO-1 Support

26/0042-0053Z

The antenna was configured for RHCP X-band downlink and should have been configured for LHCP X-band downlink. CDS # 18578

OPERATOR ERROR

PF1 7 Mins 44 Secs Svc/Data Loss Recoverable.

4. WGS/NOAA Support

26/2000-2359Z

Both receivers in the M-SAT system have apparently died and are being sent out to be repaired. At this time NOAA CDA is supporting M-7, they are being notified that they are prime and we will notify them when our system gets back on line. This is an information CDS only. CDS # 18581

INFORMATION ONLY

5. SGS/QST Support

26/1814-1816Z

Microdyne Tracking Combiner did not lock up on data. Problem solved by resweeping the Combiner. For a similar incident, see CDSID#18137. CDS ID#18582

STATION EQUIPMENT

11M 1814-1829Z 1 Min. 30 Secs. Service/Data Loss Recoverable

D. TDRS-4 Stationkeeping maneuver was nominal.

27 APRIL

A. SN Anomalies - None.

B. ISS Anomalies - None.

C. GN Anomalies:

1. SKS/QST Support

27/1246-1258Z

Loss of 4 KB and 262-KB telemetry data was due to a system failure. CDS # 18584

STATION EQUIPMENT

S-BAND 12 Mins. 15 Secs. Svc/Data Loss Non-Recoverable

28 APRIL

A. SN Operation:

1. SOYUZ Support

28/1200-1715Z

WSC/VHF-2 4 minutes 52 seconds service loss due to an erroneous NORAD Two Line Element set. The anomaly was cleared when NORAD corrected the data. The subsequent event was nominal. TTR # 23855

PREDICTION ERROR

162912-163404Z

2. HST Supports

28/2014-2359Z

HST POCC reported the spacecraft entered Safe Mode at 20:14

due to the loss of a GYRO. The reported three events incurred a loss of data. All following events were rescheduled for a post Safe hold spacecraft configuration. HST remains in safe hold but is acquiring nominally. TTR # 23856

SPACECRAFT SAFE MODE

TDW 1938-2030Z 16 Mins. 15 Secs. Service/Data Loss Recoverable

TDE 2030-2042Z 03 Mins. 56 Secs. Service/Data Loss Recoverable

TDW 2121-2212Z 01 Min. Service/Data loss Recoverable

3. BRTS POCC

28/1330-1630Z

FDF/BRTS POCC reported at approximately 118/1313Z that they had not received TDRS-8 TDMs since 117/2210Z.

Additionally, there was also concern over TDRS-1 TDMs missing for a four hour timeframe. TDRS-1 missing TDMs expected – tracking events stopped during a HPA replacement. TDRS-8 missing TDMs were investigated and restored following removal and reseating of bottle plugs/cables, suspect dirty jack/faulty seat/connection. TTR # 23857

POCC EQUIPMENT

30 Mins Service Loss

B. ISS Anomalies: - None.

C. GN Anomalies:

1. SGS/LSAT-7

28/1020-1035Z

Incorrect times were detected and it was ensured that it had no impact on recording of X-band data. To ensure that all X-med would be recorded, the communication cable between SCC and real-time backup Recorder #2 was disconnected during X-band recording leading to Recorder #2 to not receive the stop record command from SCC. Rec #2 would thereby record till loss of X-band clock, hence end of data. Check postpass verified

identical number of written blocks and identical timetag of last recorded frame for data recorded by Recorder #1 and real-time backup recorded by Recorder #2. CDS # 18589

STATION EQUIPMENT

11M 14 MINS 56 SECS Svc Data Loss Unknown If Recoverable

D. U7902LS SOYUZ/ISS 2S liftoff at 0736Z was nominal.

29 APRIL

A. SN Anomalies:

1. HST Supports

29/0000-2359Z

HST POCC reported the spacecraft entered safemode on day 118/2014Z due to the loss of a gyro. The three events reported on TTR 23856 incurred a loss of data. All following events were rescheduled for a post safehold spacecraft configuration. HST remains in safe hold but is acquiring nominally. TTR # 23858

2. BRTS Supports

29/1636-2359Z

BRTS POCC reported seeing interference on the 16:36 C1313 event. All subsequent events (1311, 1312, 1313) the POCC either saw dropouts, interference, or BRTS POCC did not receive any telemetry. all events were nominal at WSC and lmt's did not find any problems. Nascom Comm Mgr said that IPNOC reported seeing good data. BRTS POCC indicated that they received a sufficient amount of data to declare most of the events as good events and therefore would like to leave any equipment resetting, at their site until dayshift (Monday). The POCC ran a report and all data was present. The problem appears to be an in-house display problem. TTR # 23859.

B. ISS Anomalies: - None.

C. GN Anomalies - None.

D. HST POCC declared the HST Spacecraft officially out of SAFE HOLD MODE on Day 30/00:00:30Z.

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test

1. AN ENGINEERING TEST	26/1600-24/1800Z	JASON-1
WITH JASON-1 POCC AND		POCC/JPL/
PLE		WFF, AND MOSA/NCC/ PLE/NISN/GSFC

Objectives:

Continued proficiency training for the JASON-1 POCC and LEO-Ts.

Results: Objective Not Met.

Remarks:

Once the equipment configuration at the sites were completed, the test progressed satisfactorily. J-POCC was able to transmit remote commands and processed both high and low telemetry data rates. PLE acknowledged receipt of commands and the transmission of telemetry data. No anomalies were reported. This test completed with no outstanding issues. However, I have not received any test results reports from the sites.

Note: Thursday's test was cancelled due to higher priority testing.

Part III. Equipment Status Changes - None.

\$ = Changed ETRO

** = New Items

Part IV. Scheduled Activities - None.

Part V. Launch Forecast Changes - None.